

## PATENT ABSTRACTS OF JAPAN

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(71)Applicant : PIONEER ELECTRONIC CORP

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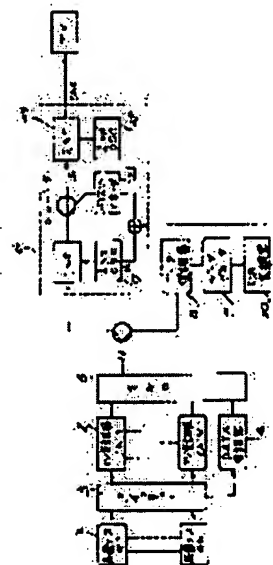
(72)Inventor : IDENO AKIRA

## (54) SCRAMBLE METHOD IN CATV SYSTEM

## (57)Abstract:

PURPOSE: To produce scramble effect without operating an image signal itself by switching the number of a video signal relative to plural carrier waves so that respective picture sources are on different carrier waves for every one field.

CONSTITUTION: An originating side sends out picture sources up to #1~#N1 as N number of TVRF signals by N number of TV modulators 2. Where a switch 3 synchronized for every vertical synchronizing period of TV, switches the picture sources according to its assignment relative to channels ch-1,...ch-N. While, switching information of the switch 3 is taken out as a data signal by a data converter 4, is mixed with signals by a mixer 5 in a TVR and is sent out to each terminal. A receiving side changes carrier wave of each picture and changes a VT voltage of an oscillating circuit 7 in a converter 6 synchronized in a step form for every vertical synchronizing period to convert the picture into an IF signal.



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**SCRAMBLE METHOD IN CATV SYSTEM**

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Applicant(s): PIONEER KK  
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**Abstract**

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GROMMET (English)

Patent Assignee: NISSAN MOTOR

Author (Inventor): WATANABE KIYOTO

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